

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD082718\
 Data File : VD059918.D
 Acq On : 27 Aug 2018 16:34
 Operator : JC/SY
 Sample : J4646-10RE
 Misc : 5.36g/5ml/MSVOA D/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 EP1-Q4-C6RE

Quant Time: Aug 27 17:09:30 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D082218S.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 23 03:03:08 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.38	168	1131344	50.00	ug/l	-0.03
34) 1,4-Difluorobenzene	7.42	114	1576603	50.00	ug/l	-0.02
63) Chlorobenzene-d5	11.27	117	1335424	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	13.37	152	632628	50.00	ug/l	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.77	65	474615	49.77	ug/l	-0.03
Spiked Amount				50.000		
			Recovery	=	99.54%	
35) Dibromofluoromethane	6.29	113	567431	45.91	ug/l	-0.04
Spiked Amount				50.000		
			Recovery	=	91.82%	
50) Toluene-d8	9.44	98	1493134	43.53	ug/l	-0.02
Spiked Amount				50.000		
			Recovery	=	87.06%	
62) 4-Bromofluorobenzene	12.41	95	574159	41.21	ug/l	-0.02
Spiked Amount				50.000		
			Recovery	=	82.42%	

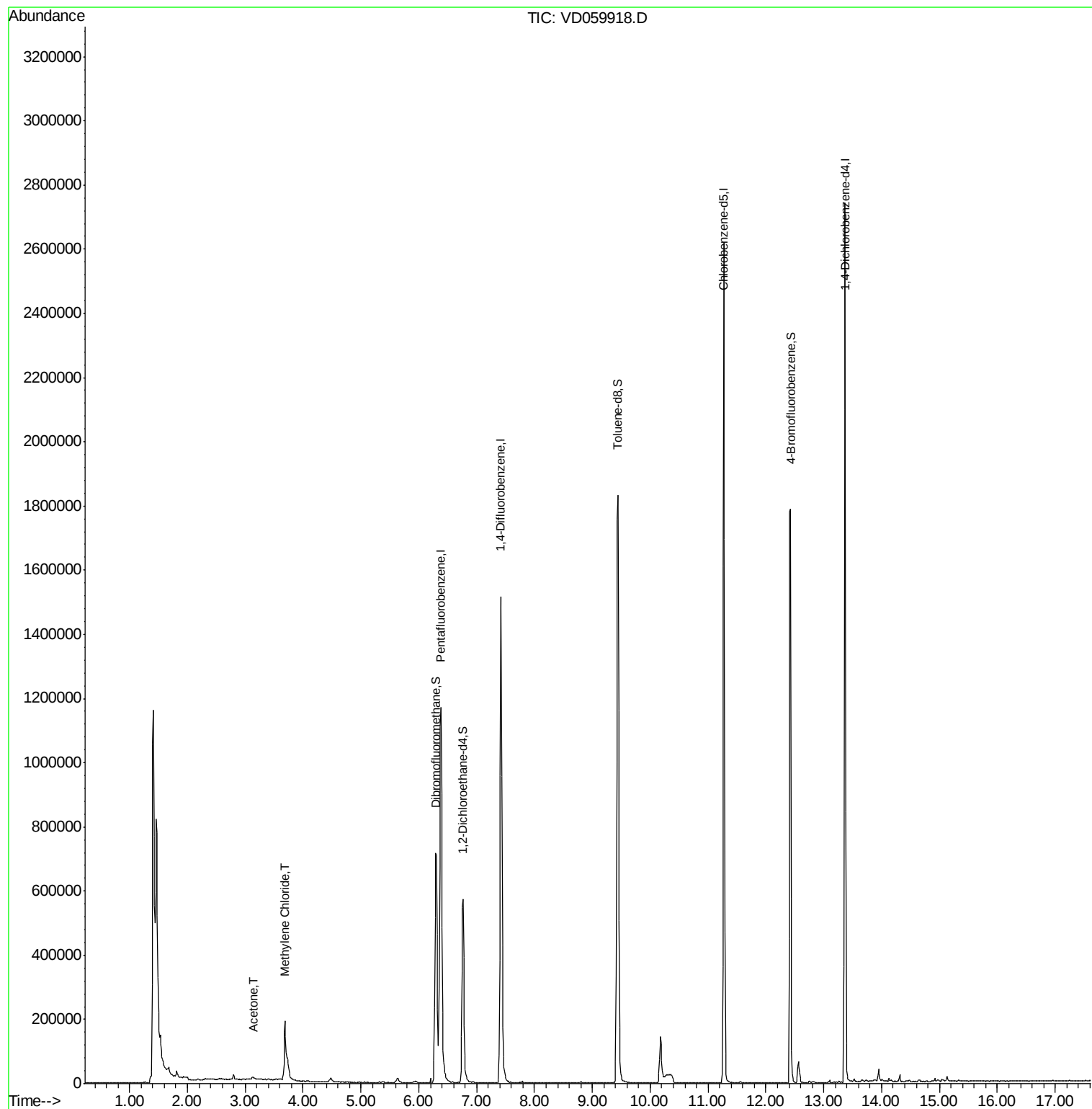
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.12	43	17582	10.12	ug/l	100
20) Methylene Chloride	3.69	84	90164	4.38	ug/l	99

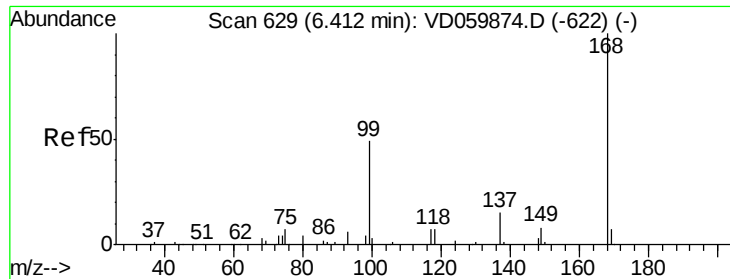
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 6.38 min Scan# 626

Delta R.T. -0.03 min

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Instrument :

MSVOA_D

ClientSampleId :

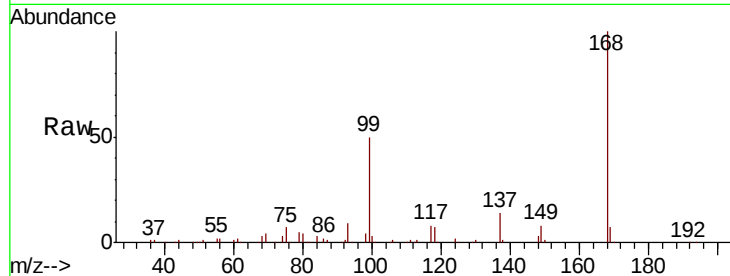
EP1-Q4-C6RE

Tot Ion:168 Resp: 1131344

Ion Ratio Lower Upper

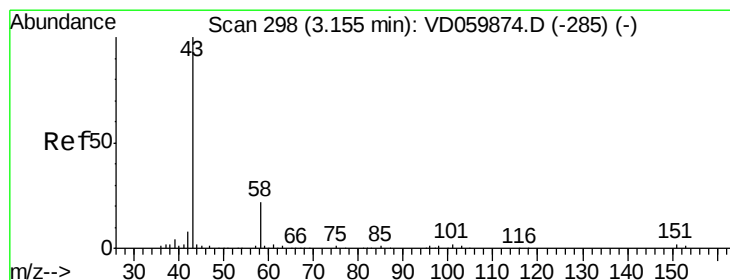
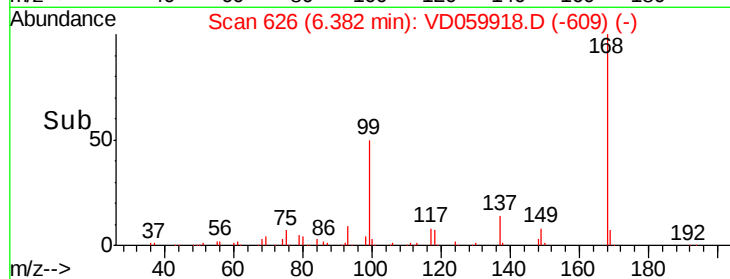
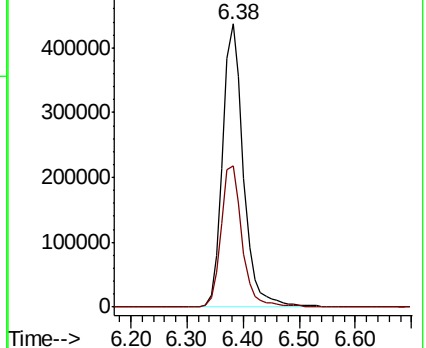
168 100

99 49.9 42.2 63.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#16

Acetone

Concen: 10.12 ug/l

RT: 3.12 min Scan# 295

Delta R.T. -0.03 min

Lab File: VD059918.D

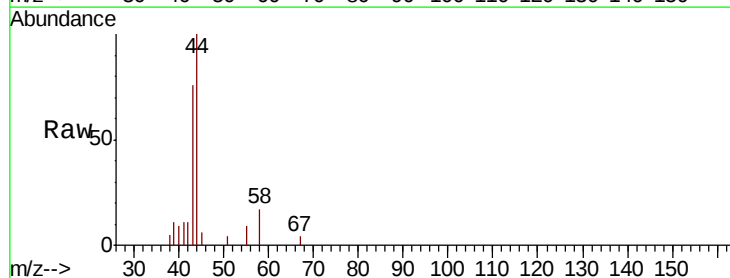
Acq: 27 Aug 2018 16:34

Tgt Ion: 43 Resp: 17582

Ion Ratio Lower Upper

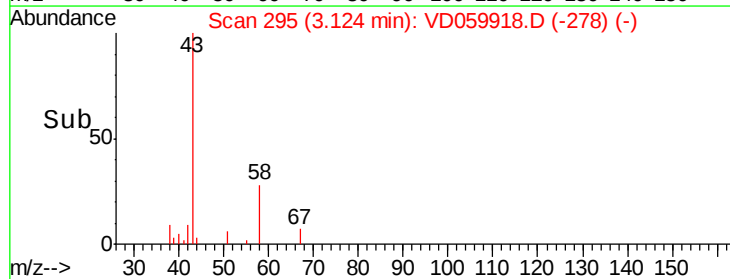
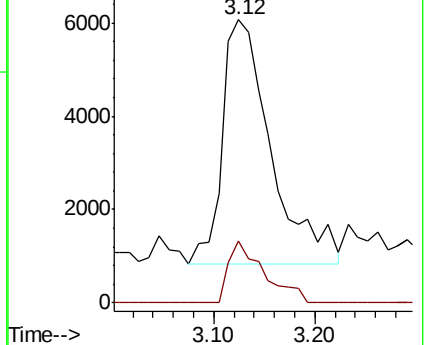
43 100

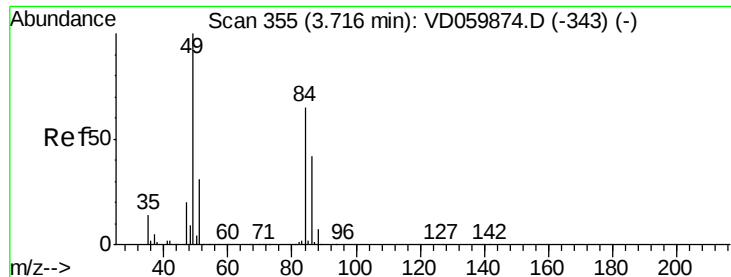
58 22.0 17.6 26.4



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

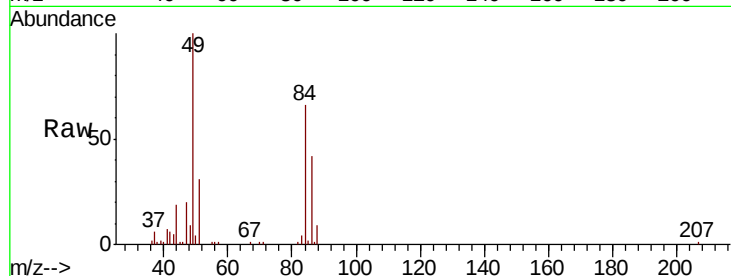




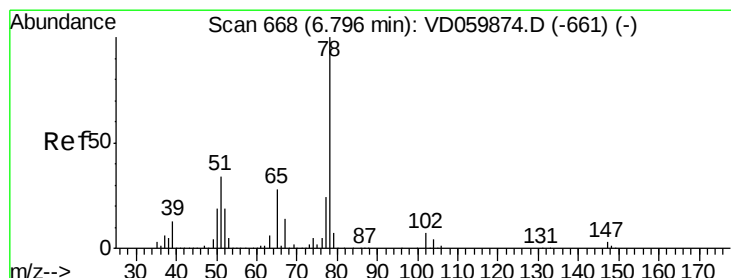
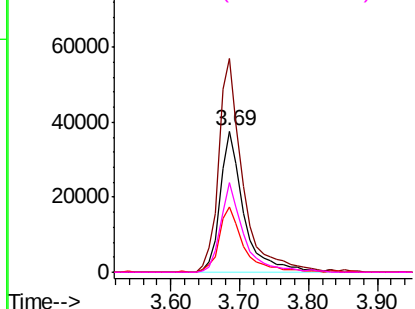
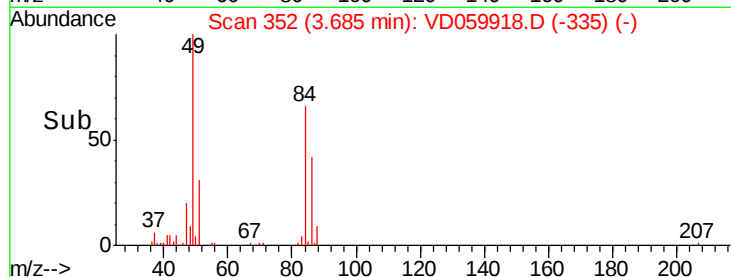
#20
Methylene Chloride
Concen: 4.38 ug/l
RT: 3.69 min Scan# 352
Delta R.T. -0.03 min
Lab File: VD059918.D
Acq: 27 Aug 2018 16:34

Instrument :
MSVOA_D
ClientSampleId :
EP1-Q4-C6RE

Tot Ion: 84 Resp: 90164
Ion Ratio Lower Upper
84 100
49 151.7 122.6 183.8
51 46.6 38.4 57.6
86 63.3 51.5 77.3

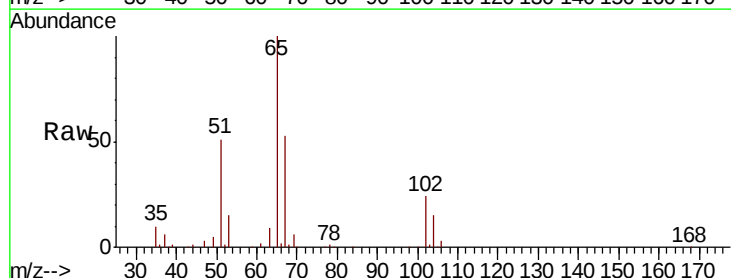


Abundance Ion 83.95 (83.65 to 84.65): VDC
Ion 48.90 (48.60 to 49.60): VDC
Ion 50.90 (50.60 to 51.60): VDC
Ion 85.90 (85.60 to 86.60): VDC

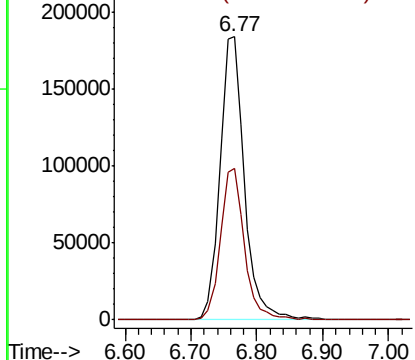
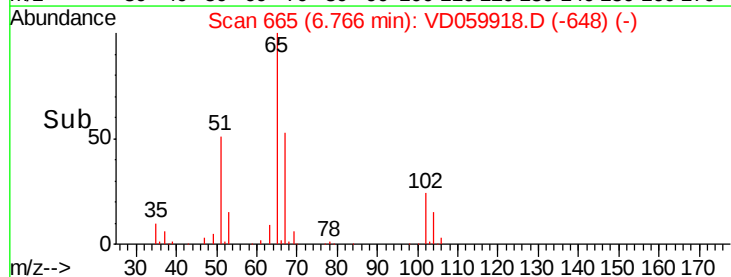


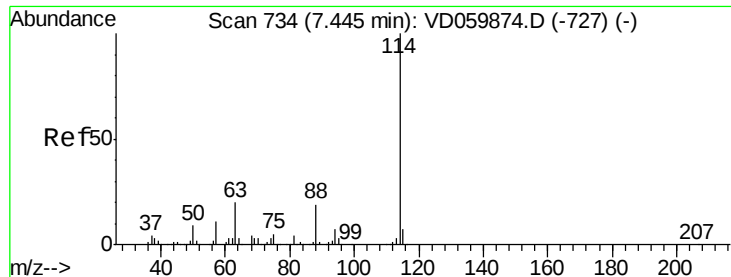
#33
1,2-Dichloroethane-d4
Concen: N.D. ug/l
RT: 6.77 min Scan# 665
Delta R.T. -0.03 min
Lab File: VD059918.D
Acq: 27 Aug 2018 16:34

Tgt Ion: 65 Resp: 474615
Ion Ratio Lower Upper
65 100
67 53.3 0.0 103.8



Abundance Ion 64.95 (64.65 to 65.65): VDC
Ion 66.90 (66.60 to 67.60): VDC





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 7.42 min Scan# 732

Delta R.T. -0.02 min

Lab File: VD059918.D

Acq: 27 Aug 2018 16:34

Instrument :

MSVOA_D

ClientSampleId :

EP1-Q4-C6RE

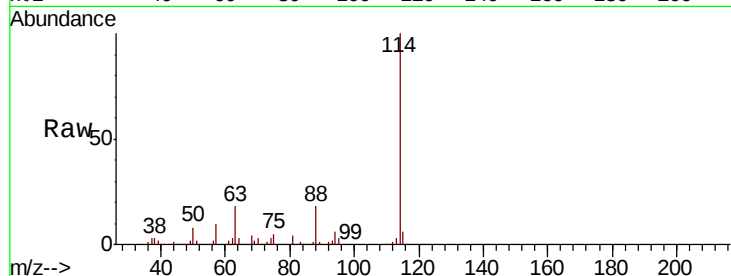
Tot Ion:114 Resp: 1576603

Ion Ratio Lower Upper

114 100

63 18.4 0.0 39.4

88 18.4 0.0 37.6



Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): V

Ion 87.90 (87.60 to 88.60): V

800000

600000

400000

200000

0

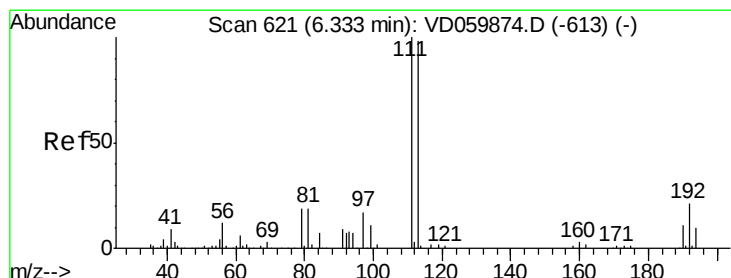
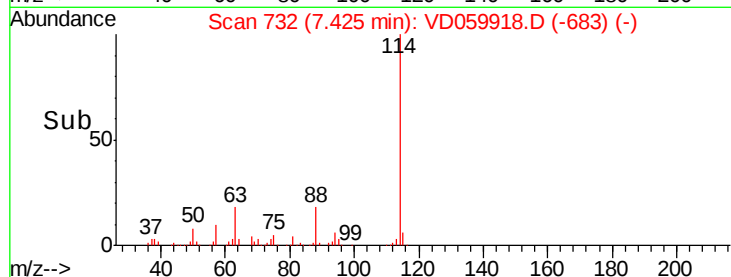
7.42

7.20

7.40

7.60

Time-->



#35

Dibromofluoromethane

Concen: 50.00 ug/l

RT: 6.29 min Scan# 617

Delta R.T. -0.04 min

Lab File: VD059918.D

Acq: 27 Aug 2018 16:34

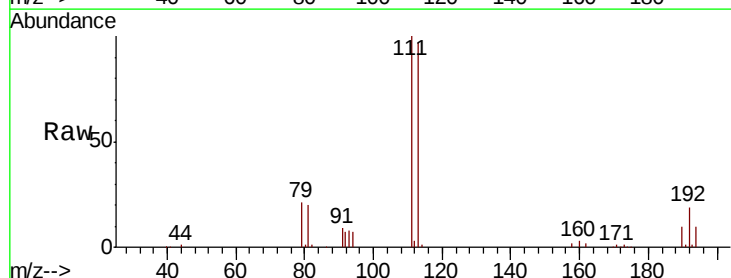
Tgt Ion:113 Resp: 567431

Ion Ratio Lower Upper

113 100

111 102.8 81.4 122.2

192 19.2 17.0 25.6



Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V

300000

250000

200000

150000

100000

50000

0

6.29

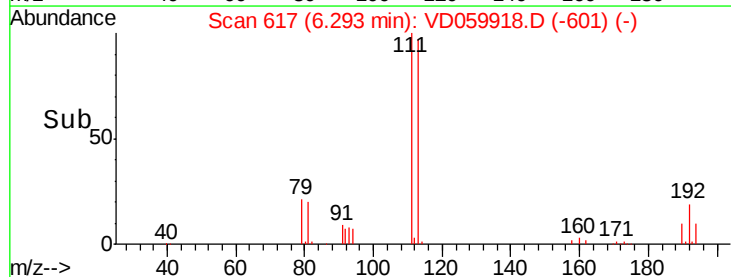
6.20

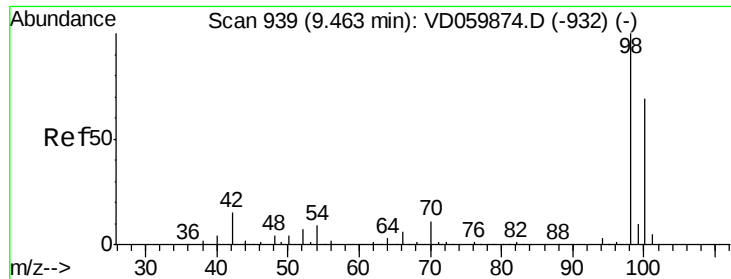
6.30

6.40

6.50

Time-->





#50

Toluene-d8

Concen: N.D. ug/l

RT: 9.44 min Scan# 937

Delta R.T. -0.02 min

Lab File: VD059918.D

Acq: 27 Aug 2018 16:34

Instrument :

MSVOA_D

ClientSampleId :

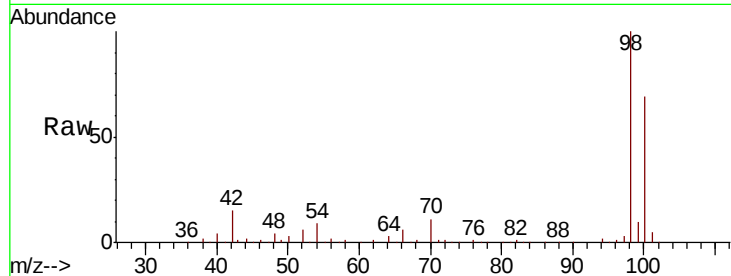
EP1-Q4-C6RE

Tot Ion: 98 Resp: 1493134

Ion Ratio Lower Upper

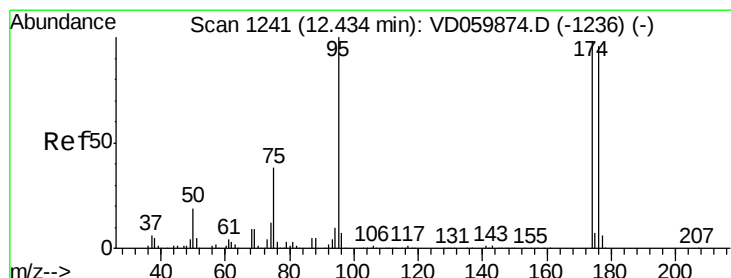
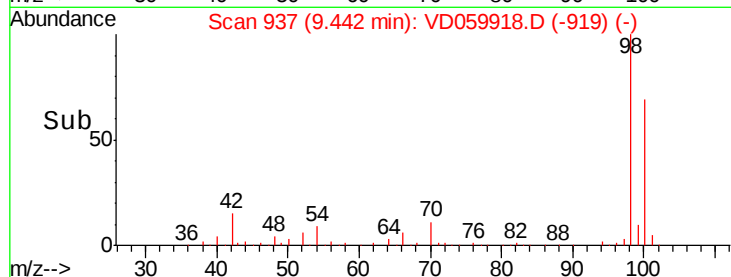
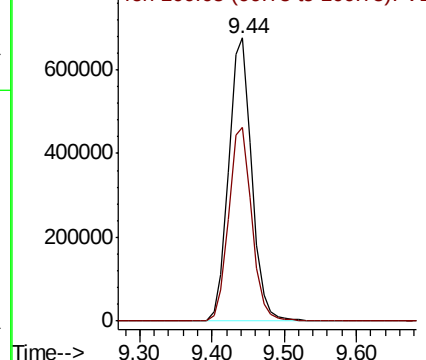
98 100

100 68.7 55.8 83.6



Abundance Ion 98.05 (97.75 to 98.75): VDC

Ion 100.05 (99.75 to 100.75): VDC



#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 12.41 min Scan# 1239

Delta R.T. -0.02 min

Lab File: VD059918.D

Acq: 27 Aug 2018 16:34

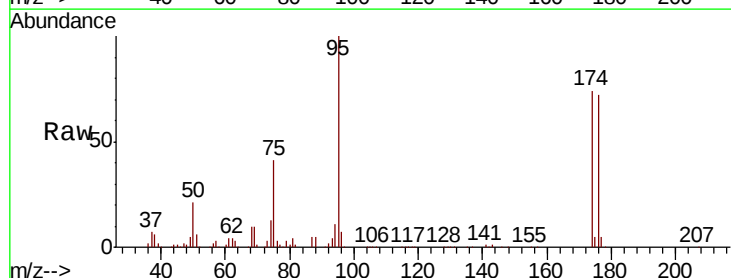
Tgt Ion: 95 Resp: 574159

Ion Ratio Lower Upper

95 100

174 73.7 0.0 195.6

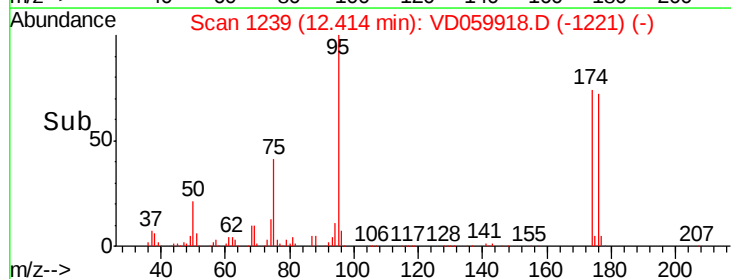
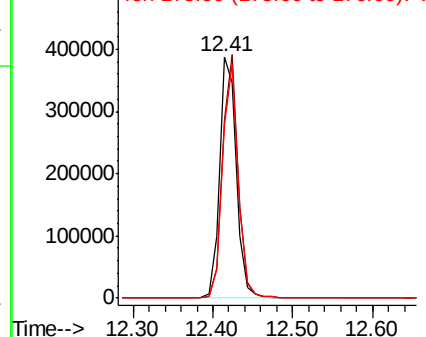
176 71.9 0.0 191.2

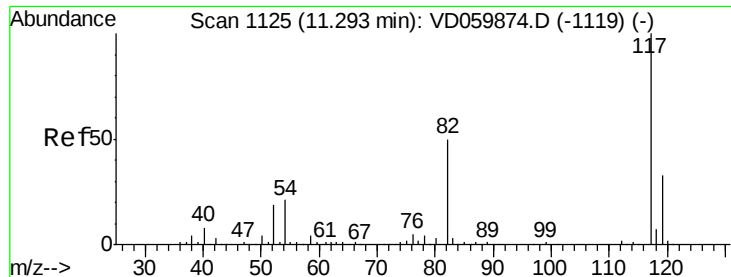


Abundance Ion 95.00 (94.70 to 95.70): VDC

Ion 173.90 (173.60 to 174.60): VDC

Ion 175.90 (175.60 to 176.60): VDC

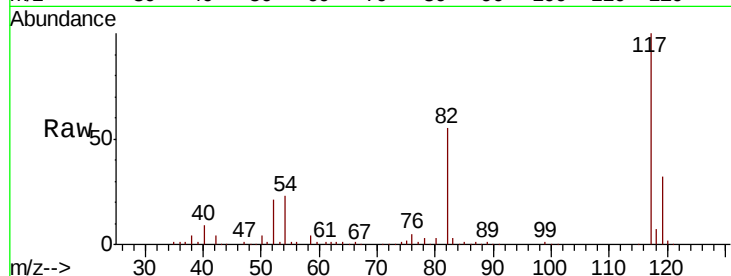




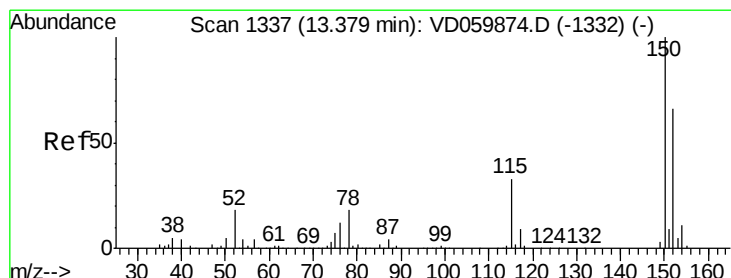
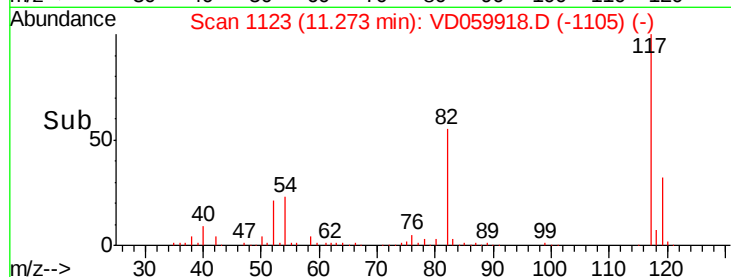
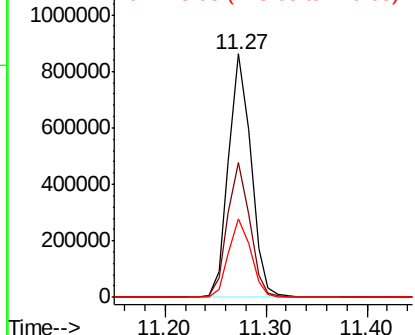
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.27 min Scan# 1123
Delta R.T. -0.02 min
Lab File: VD059918.D
Acq: 27 Aug 2018 16:34

Instrument :
MSVOA_D
ClientSampleId :
EP1-Q4-C6RE

Tot Ion:117 Resp: 1335424
Ion Ratio Lower Upper
117 100
82 55.2 40.1 60.1
119 32.3 26.7 40.1

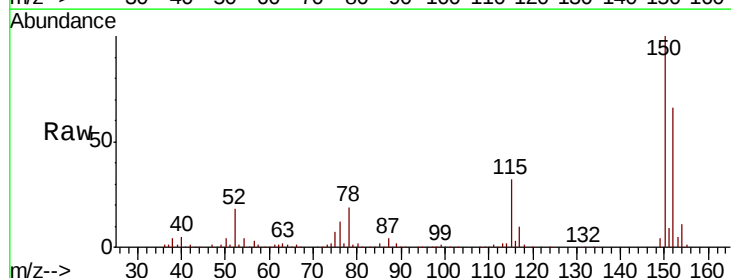


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.37 min Scan# 1336
Delta R.T. -0.01 min
Lab File: VD059918.D
Acq: 27 Aug 2018 16:34

Tgt Ion:152 Resp: 632628
Ion Ratio Lower Upper
152 100
115 48.3 25.7 77.0
150 151.4 0.0 310.2



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 115.00 (114.70 to 115.70): V
Ion 149.90 (149.60 to 150.60): V

